

ABSTRACT

The present invention provides a unitary mechanism for high speed end-to-end telecommunication traffic using an Asynchronous Transfer Mode (ATM) architecture for convergence of video, data and voice in an SOHO application using a DSL router. An ATM module (101) for convergence of the telecommunications traffic includes an ATM processor (120) configured to perform QoS, OAM processing and switching in an ATM system. Function modules (102,104,105) and data ports (106,108) are configurable to transceive data, voice and video traffic in which the traffic is packetized in ATM data cells.